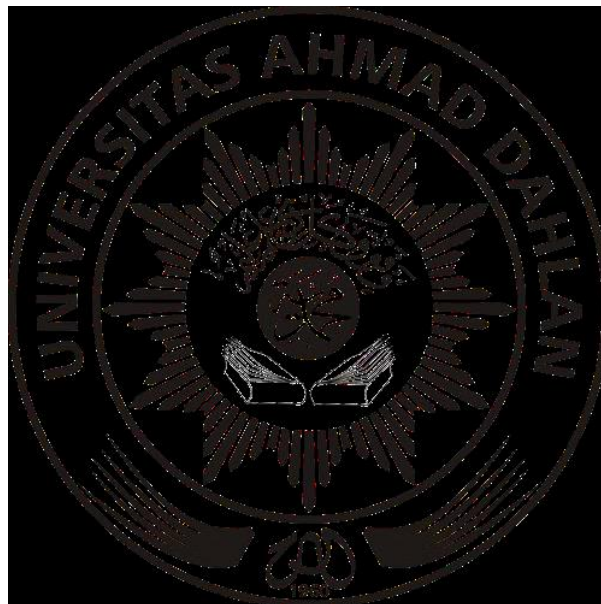


**DEVELOPING THE MATHEMATICS STUDENT
ACTIVITY SHEET (LKS) IN SUBJECT MATTER
OF MATHEMATICAL MODEL IN LINEAR
EQUATIONS AND INEQUALITIES
ONE VARIABLE BASED GUIDED
DISCOVERY FOR STUDENTS IN SMP/MTS CLASS VII
OF ODD SEMESTER**

THESIS

**Submitted to the faculty of Teacher Training and Education
Ahmad Dahlan University in Yogyakarta
In order to meet most requirements to obtain a Bachelor Degree**



**Lisa Anugraheni
09006011**

**MATHEMATICS EDUCATION STUDY PROGRAM
FACULTY OF TEACHER TRAINING AND EDUCATION
AHMAD DAHLAN UNIVERSITY
YOGYAKARTA**

December 2013

Anugraheni, L. 2013. *"Developing The Mathematics Student Activity Sheet (LKS) in Subject Matter of Mathematical Model in Linear Equations and Inequalities One Variable Based Guided Discovery for Students in SMP/MTs Class VII of Odd Semester"*. Thesis. Yogyakarta: University of Ahmad Dahlan

ABSTRACT

This research is motivated from the math Student Activity Sheet (LKS) on the market are still have not loaded guided discovery and structure worksheets yet qualified written in the Ministry of Education (2008: 24). The purpose of this research is to develop a Student Activity Sheet (LKS) in material of mathematical models in linear equation and inequalities of one variable based guided discovery for students of SMP / MTs in odd semester for class VII and to investigate the feasibility of LKS in material of mathematical models in linear equation and inequalities of one variable based guided discovery for students of SMP / MTs in odd semester for class VII.

Research Development of math worksheets is consistent with measures Research and Development (R & D). The steps include two aspects, namely through the development of LKS and feasibility. LKS development include: (1) the potential and problems, (2) data collection, (3) the design of the product. Then the feasibility of LKS include: (1) validation of the design, (2) revision of the design, (3) testing the product, and (4) revision of the product. The data analysis technique used is the analysis instrument. Subjects were students in class VII of SMP/MTs.

The results of the validation analysis worksheets by 2 lecturers in Mathematics Education UAD gained an average of 76 to be in the range of good category, the results of the validation analysis by 2 practitioners earned an average of 69 to be in the range of good category, the results of the analysis instrument student responses obtained an average of 48,5 are in the range of categories as well as assessment instruments combined lecturers, practitioner and student response instruments gained an average of 193.5 calculations that are within good categories. Based on the analysis and validation of the students' responses, the mathematical model of worksheets in linier equations and linear inequalities one variable based guided discovery for students of SMP / MTs in odd semester for class VII was declared "good and decent in use".

Keywords: (LKS) of mathematical models in linear equation and inequalities of one variable, Guided Discovery, Good and Decent Used

DAFTAR PUSTAKA

Adinawan Cholik, Sugiyono, dan Ruhadi. 2007. Matematika SMP Jilid 1A Kelas

VII. Jakarta : Erlangga.

B. Uno, Hamzah.2006.Perencanaan Pembelajaran. Jakarta: PT Bumi Aksara.

Departemen Pendidikan Nasional. 2008. Panduan Pengembangan Bahan Ajar.

Jakarta: Direktorat Jenderal Pendidikan Menengah dan Umum.

Hamalik, Oemar.2008. Kurikulum dan Pembelajaran. Jakarta: Bumi Aksara.

Heruman.2007.Model Pembelajaran Matematika di Sekolah Dasar. Bandung: PT Remaja Rosdakarya.

Majid, Abdul.2007.Perencanaan Pembelajaran Mengembangkan Standar Kompetensi Guru. Bandung : PT Remaja Rosdakarya.

Maryatum. 2011. Upaya meningkatkan hasil belajar matematika melalui metode penemuan terbimbing siswa kelas VIII semester I SMP Negeri 04 Kroya

Kabupaten Cilacap Tahun Ajaran 2010/2011. Yogyakarta: Fakultas

Keguruan dan Ilmu Pendidikan Universitas Ahmad Dahlan.

Mulyasa, E. 2008. Menjadi Guru Profesional Menciptakan Pembelajaran Kreatif dan Menyenangkan. Bandung : Remaja Rosdakarya.

Ngathoillah, Ibnu. 2012. Logika Matematika dan Teori Himpunan. Yogyakarta: JPMIPA FKIP Uninersitas Ahmad Dahlan Press.

Prasetyono, Dwi. P. 2009. Cerdas Matematika Untuk SMP Kelas VII. Jogjakarta: Power Book (Ihdina).

Roestiyah.2008. Strategi Belajar Mengajar. Jakarta: PT Rineka Cipta.

Sugiyono.2013.Metode Penelitian Pendidikan (Pendekatan Kuantitatif, Kualitatif, dan R&D). Bandung: Alfabeta.

Suherman,E, dkk.. 2003. Strategi Pembelajaran Matematika Kontemporer.

Bandung: Fakultas Pendidikan Matematika dan Ilmu Pengetahuan Alam

UPI.

Sukarjo.2006. Kumpulan Materi Evaluasi Pembelajaran. Yogyakarta: Universitas Negeri Yogyakarta (UNY).

Suyono dan Hariyanto.2011. Belajar dan Pembelajaran Teori dan Konsep Dasar.

Bandung : PT Remaja Rosdakarya.

Trianto.2010.Mendesain Model Pembelajaran Inovatiif – Progresif : Konsep

Landasan, dan Implementasinya Pada Kurikulum Tingkat Satuan

Pendidikan (KTSP). Jakarta: Prenada Media Group.

Undang-undang Republik Indonesia Nomor 20 Tahun 2003 tentang Sistem

Pendidikan Nasional.

Widdiharto, Rachmadi.2006. Keragaman Model Pembelajaran Matematika

dalam Mewujudkan Pakem. Yogyakarta: Widyaiswara PPPG Matematika.

Yuansyah, Achmad.2011. Upaya Meningkatkan Hasil Belajar Matematika

Menggunakan Lembar Kegiatan Siswa (LKS) Pada Siswa Kelas VIII

Semester Genap MTs Negeri Sulang Kabupaten Rembang Tahun Ajaran

2010/2011. Yogyakarta: Fa